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## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-172741

(43)Date of publication of application : 21.06.1994

(51)Int.Cl.

C09K 3/00

(21)Application number : 04-329200

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(22)Date of filing : 09.12.1992

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## (54) CLAY-ORGANIC COMPOSITE COMPOSITION AND ITS USE

## (57)Abstract:

PURPOSE: To obtain a compsn. which is a thixotropic sol or gel by dispersing a specific clay-organic composite in a mixture of a highly polar org. solvent with water.

CONSTITUTION: This clay-org. composite is obtd. by introducing a quaternary ammonium ion of formula I [wherein R<sub>1</sub> is H or 1-30C alkyl; R<sub>2</sub> and R<sub>3</sub> are each (CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>H or 1-30C alkyl; R<sub>4</sub> is (CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>H; and n ≥ 2] or formula II (wherein R<sub>5</sub> is 1-4C alkyl; and R<sub>6</sub>,

R<sub>7</sub>, and R<sub>8</sub> are each 6-14C alkyl) between the layers of a swellable layered silicate. The composite is dispersed in a mixture of a highly polar org. solvent with water, giving the objective composite compsn. which is a thixotropic, highly viscous sol or gel. The compsn. has improved dispersibility and viscosity even in a solvent having a wide range of water content and is excellent in stability and properties in the use. A gel obtd. by changing the type and amt. of the solvent is usable in many applications, e.g. in cosmetics. a remover for make-up cosmetics, a release agent for coating film, and an adhesive.

